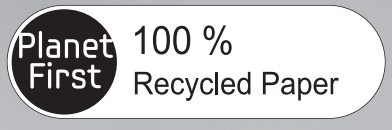
Refrigerator
user manual



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Thank you for purchasing this Samsung product.

SAMSUNG

Free Standing Appliance

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Safety information

SAFETY INFORMATION

- Before operating the appliance, please read this manual thoroughly and retain it at a safe place near the appliance for your future reference.
- Use this appliance only for its intended purpose as described in this instruction manual. This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.
  Children shall not play with the appliance.
  Cleaning and user maintenance shall not be made by children without supervision.

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- Warnings and Important Safety Instructions in this manual do not cover all possible conditions and situations that may occur. It is your responsibility to use common sense, caution, and care when installing, maintaining, and operating your appliance.
- Because these following operating instructions cover various models, the characteristics of your refrigerator may differ slightly from those described in this manual and not all warning signs may be applicable. If you have any questions or concerns, contact your nearest service center or find help and information online at www.samsung.com.
- It is hazardous for anyone other than an Authorised Service Person to service this appliance. In Queensland – the authorized Service Person MUST hold a Gas Work Authorisation or Licence for hydrocarbon refrigerants, to carry out Servicing or repairs which involve the removal of covers. (For Australia only)

Important safety symbols and precautions :

WARNING	Hazards or unsafe practices that may result in **severe personal injury or death.**
CAUTION	Hazards or unsafe practices that may result in **minor personal injury or property damage.**

	Do NOT attempt.
	Do NOT disassemble.
	Do NOT touch.
	Follow directions carefully.
	Unplug the power plug from the wall socket.
	Make sure the machine is grounded to prevent electric shock.
	Call the contact center for help.
	Note.

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These warning signs are here to prevent injury to you and others.
Please follow them carefully.
After reading this section, keep it in a safe place for future reference.

CE Notice

This product has been determined to be in compliance with the Low Voltage Directive (2006/95/EC), the Electromagnetic Compatibility Directive (2004/108/EC), RoHS Directive (2011/65/EU), Commission Delegated Regulation (EU) No 1060/2010 and the Eco-Design Directive(2009/125/EC) implemented by Regulation (EC) No 643/2009 of the European Union. (For products sold in European Countries only)

⚠ WARNING SEVERE WARNING SIGNS FOR TRANSPORTATION AND SITE

- When transporting and installing the appliance,care should be taken to ensure that no parts of the refrigerating circuit are damaged.
- R-600a or R-134a is used as a refrigerant. Check the compressor label on the rear of the appliance or the rating label inside the refrigerator to see which refrigerant is used for your refrigerator.
- When this product contains flammable gas (Refrigerant R-600a),

- Refrigerant leaking from the pipe work could ignite or cause an eye injury. If a leak is detected, avoid any naked flames or potential sources of ignition and air the room in which the appliance is standing for several minutes.
- In order to avoid the creation of a flammable gas-air mixture if a leak in the refrigerating circuit occurs,

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the size of the room in which the appliance may be sited depends on the amount of refrigerant used.

- Never start up an appliance showing any signs of damage. If in doubt, consult your dealer. The room where the refrigerator will be sited must be 1 m^3 in size for every 8 g of R-600a refrigerant inside the appliance. The amount of refrigerant in your particular appliance is shown on the identification plate inside the appliance.
- If the appliance contains isobutane refrigerant (R-600a), a natural gas with high environmental compatibility that is, however, also combustible. When transporting and installing the appliance, care should be taken to ensure that no parts of the refrigerating circuit are damaged.

⚠ WARNING SEVERE WARNING SIGNS FOR INSTALLATION

- Do not install this appliance in a humid, oily or dusty location, in a location exposed to direct sunlight and water (rain drops).
- Deteriorated insulation of electrical parts may cause an electric shock or fire.
- Do not place this refrigerator in direct sunlight or expose to the heat from stoves, room heaters or other appliances.
- Do not plug several appliances into the same multiple power board. The refrigerator should always be plugged into its own individual electrical outlet which has a voltage rating that matched the rating plate.
- This provides the best performance and also prevents overloading house wiring circuits, which could cause a fire hazard from overheated wires. If the wall socket is loose, do not insert

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the power plug.
- There is a risk of electric shock or fire.

• Do not use a cord that shows cracks or abrasion damage along its length or at either end.

• Do not bend the power cord excessively or place heavy articles on it.

• Do not use aerosols near the refrigerator.
- Aerosols used near the refrigerator may cause an explosion or fire.

• Do not install this appliance in a location where gas may leak.
- This may result in an electric shock or fire.

• The installation or any service of this appliance is recommended by a qualified technician or service company.
- Failing to do so may result in an electric shock, fire, explosion, problems with the product, or injury.

• This refrigerator must be properly installed and located in accordance with the manual before it is used.

• Do not install the refrigerator in a damp place or place where it may come in contact with water.
- Deteriorated insulation of electrical parts may cause an electric shock or fire.

• Connect the power plug in proper position with the cord hanging down.
- If you connect the power plug upside down, wire can get cut off and a cause fire or an electric shock.

• Do not use a cord that shows cracks or abrasion damage along its length or at either end.

• Make sure that the power plug is not squashed or damaged by the back of the refrigerator.

• When moving the refrigerator, be careful not to roll over or damage the power cord.
- This constitutes a fire hazard.

• The appliance must be positioned so that the plug is accessible after installation.

• Keep the packing materials out of reach of children.

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- There is a risk of death from suffocation if children put them on their head.

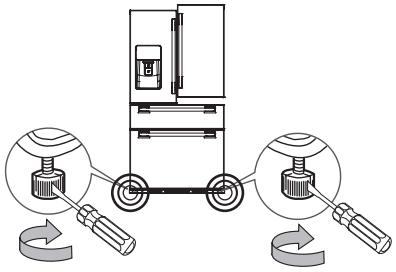
- This appliance must be properly grounded. Do not ground the appliance to a gas pipe, plastic water pipe, or telephone line.
- You must ground the refrigerator to prevent any power leakages or electric shocks caused by current leakage from the refrigerator.
- This may result in an electric shock, fire, explosion, or problems with the product.
- Never plug the power cord into a socket that is not grounded correctly and make sure that it is in accordance with local and national codes.

- If the power cord is damaged, have it replaced immediately by the manufacturer or its service agents.
- The fuse on the refrigerator must be changed by a qualified technician or service company.

- Failing to do so may result in an electric shock or personal injury.

CAUTION SIGNS FOR INSTALLATION

- Keep ventilation opening in the appliance enclosure or mounting structure clear of obstruction.
- Allow the appliance to stand for 2 hours after installation.



- When installing the refrigerator, make sure both legs contact the floor for secure installation.
  Legs are located at the bottom back of freezer door. Insert a flathead screwdriver and turn it in the direction of the arrow until it is level.

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- Always balance the load on each door.
- Overload on any one door may fell the refrigerator, causing physical injury.

⚠ WARNING SEVERE WARNING SIGNS FOR USING

- Do not insert the power plug with wet hands.
- Do not store articles on the top of the appliance.
- When you open or close the door, the articles may fall and cause a personal injury and/or material damage.
- Do not put items filled with water on the refrigerator.
- If spilled, there is a risk of fire or electric shock.
- Do not let children hang on the door.
- Failure to do so may cause serious personal injury.
- Do not leave the doors of the refrigerator open while the refrigerator is unattended and do not let children enter inside the refrigerator.
- Do not allow babies or children go inside the drawer.
- It can cause death from suffocation by entrapment or personal injury.
- Do not sit on the Freezer door.
- The door may be broken and cause a personal injury.
- Children should be supervised to ensure that they do not play with the appliance. Keep fingers out of “pinch point” areas : clearances between the doors and cabinet are necessarily small. Be careful when you open the doors when children are in the area. Do not let children hang on the door.
  If not, a serious injury may occur. There is a Risk of children entrapment. Do not let children enter inside the refrigerator.
- To prevent children entrapment, you must reinstall the divider using provided screws after cleaning or other actions if you removed the divider from the drawer.
- Never put fingers or other objects into the dispenser

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hole.
- Failure to do so may cause personal injury or material damage.

• Do not store volatile or flammable substances such as benzene, thinner, alcohol, ether or LP gas in the refrigerator.
- The storage of any of such products may cause an explosion.

• Do not store low temperature-sensitive pharmaceutical products, scientific materials or other low temperature-sensitive products in the refrigerator.
- Products that require strict temperature controls must not be stored in the refrigerator.

• Do not place or use electrical appliance inside the refrigerator, unless they are of a type recommended by the manufacturer.

• Do not use a hair dryer to dry the inside of the refrigerator. Do not place a lighted candle in the refrigerator for removing bad odors.
- This may result in an electric shock or fire.

• Do not touch the inside walls of the freezer or products stored in the freezer with wet hands.
- This may cause frostbite.

• Do not use mechanical devices or any other means to accelerate the defrosting process, other than those recommended by the manufacturer.

• Do not damage the refrigerant circuit.

• This appliance should be positioned in such a way that it is accessible to the power plug.
- Failing to do so may result in an electric shock or fire due to electric leakage.

• This product is intended only for the storage of food in a domestic environment.

• Bottles should be stored tightly together so that they do not fall out.

• In the event of a gas leak (such as propane gas, LP gas, etc.), ventilate immediately without touching the power plug.

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Do not touch the appliance or power cord.

- Do not insert hands, feet or metal objects (such as chopsticks, etc.) into the bottom or the back of the refrigerator.
  - This may result in an electric shock or injury.
  - Any sharp edges may cause a personal injury.
  - Do not use a ventilating fan.
  - A spark may result in an explosion or fire.
- Use only the LED Lamps provided by manufacturer or service agent.
- Children should be supervised to ensure that they do not play with and/or climb into the appliance.

- Do not disassemble or repair the refrigerator by yourself.
  - You run a risk of causing a fire, malfunction and/ or personal injury. In case of malfunction, please contact your service agent.

- Do not attempt to repair, disassemble, or modify the appliance yourself.
  - Do not use any fuse(such as cooper, steel wire, etc.) other than the standard fuse.
  - When repairing or reinstalling the appliance is required, contact your nearest service center.
  - Failing to do so may result in an electric shock, fire, problems with the product, or injury.
- If the appliance generates a strange noise, a burning or smell or smoke, unplug the power plug immediately and contact your nearest service center.
  - Failing to do so may result in an electric or fire hazards.
- If you experience difficulty when changing the light, contact service agent.
- If the products is equipped with the LED Lamp, do not disassemble the Lamp Cover and LED Lamp by yourself.
  - Please contact your service agent.
- If any dust or water is in the refrigerator, pull out power plug and contact your Samsung Electronics service center.

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- There is a risk of fire.

⚠ CAUTION CAUTION SIGNS FOR USING

★ • To get best performance from the product,

- Do not place foods too closely in front of the vents at the rear of the appliance as it can obstruct free air circulation in the refrigerator compartment.
- Wrap the food up properly or place it in airtight containers before putting it into the refrigerator.
- Do not put any newly introduced food for freezing near to already existing food.

• Do not place carbonated or fizzy drinks in the freezer compartment. Do not put bottles or glass containers in the freezer.

- When the contents freeze, the glass may break and cause personal injury and property damage.

• Do not change or modify the functionality of the refrigerator.

- Changes or modifications may result in a personal injury and/or property damage. Any changes or modifications performed by a 3rd party on this completed appliance are neither covered under Samsung warranty service, nor is Samsung responsible for safety issues and damages that result from 3rd party modifications.

• Do not block air holes.

- If the air holes are blocked, especially with a plastic bag, the refrigerator can be over cooled. If this cooling period lasts too long, the water filter may break and cause water leakage.
- Do not put any newly introduced food for freezing near to already existing food.

• Please observe maximum storage times and expiry dates of frozen goods.

• Fill the water tank, ice tray and water cubes only with potable water (mineral water or purified water).

- Do not fill the tank with tea or a Sports drink. This may damage the refrigerator.

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- Use only the ice-maker provided with the refrigerator.
- The water supply to this refrigerator must only be installed/connected by a suitably qualified person and connected to a potable water supply only.
- In order to operate the ice-maker properly, water pressure of 138~862 kPa (1.4~8.8 kgf/cm^3) is required.
- Do not spray volatile material such as insecticide onto the surface of the appliance.
- As well as being harmful to humans, it may also result in an electric shock, fire or problems with the product.
- Do not apply strong shock or excessive force onto the surface of glass.
- Broken glass may result in a personal injury and/or property damage.

⚠ CAUTION SIGNS FOR CLEANING AND MAINTENANCE

- Do not directly spray water inside or outside the refrigerator.
- There is a risk of fire or electric shock.
- Do not use or place any substances sensitive to temperature such as inflammable sprays, inflammable objects, dry ice, medicine, or chemicals near the refrigerator. Do not keep volatile or inflammable objects or substances (benzene, thinner, propane gas, etc.) in the refrigerator.
- This refrigerator is for storing food only.
- This may result in a fire or an explosion.
- Do not spray inflammable gas near the refrigerator.
- There is a risk of explosion or fire.
- Do not spray cleaning products directly on the display.
- Printed letters on the display may come off.
- Remove any foreign matter

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or dust from the power plug pins. But do not use a wet or damp cloth when cleaning the plug, remove any foreign material or dust from the power plug pins.
- Otherwise there is a risk of fire or electric shock.

• Never put fingers or other objects into the dispenser hole and ice chute.
- It may cause a personal injury or material damage.

• Unplug the refrigerator before cleaning and performing maintenance.

• Plug the power plug into the wall socket firmly. Do not use a damaged power plug, damaged power cord or loose wall socket.
- This may result in an electric shock or fire.

• Do not pull or excessively bend the power cord. Do not twist or tie the power cord. Do not hook the power cord over a metal object, place a heavy object on the power cord, insert the power cord between objects, or push the power cord into the space behind the appliance.
- When moving the refrigerator, be careful not to roll over or damage the power cord
- This may result in an electric shock or fire.

• Do not modify the refrigerator. Unauthorized modifications can cause safety problems.
To reverse an unauthorized modification, we will charge the full cost of parts and labor.

CAUTION SEVERE WARNING SIGNS FOR DISPOSAL

• Ensure that none of the pipes on the back of the appliance are damaged prior to disposal.

• R-600a or R-134a is used as a refrigerant. Check the compressor label on the rear of the appliance or the rating label inside the refrigerator to see which refrigerant is used for your refrigerator. When this product contains flammable gas (Refrigerant

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R-600a), contact your local authority in regard to safe disposal of this product. Cyclopentane is used as an insulation blowing gas. The gases in insulation material require special disposal procedure. Please contact your local authorities in regard to the environmentally safe disposal of this product. Ensure that none of the pipes on the back of the appliances are damaged prior to disposal. The pipes shall be broken in the open space.

- When disposing of this product or other refrigerators, remove the door/door seals, door latch so that small children or animals cannot become trapped inside. Leave the shelves in place so that children may not easily climb inside. Children should be supervised to ensure that they do not play with the old appliance.
- Please dispose of the packaging material for this product in an environmentally friendly manner.
- Keep all packaging materials well out of the reach of children, as packaging materials can be dangerous to children.

- If a child places a bag over its head, it may result in suffocation.

ADDITIONAL TIPS FOR PROPER USAGE

- In the event of a power failure, call the local office of your Electricity Company and ask how long it is going to last.

- Most power failures that are corrected within an hour or two will not affect your refrigerator temperatures. However, you should minimize the number of door openings while the power is off.

- Should the power failure last more than 24 hours, remove all frozen food.
- If keys are provided with the refrigerator, the keys should

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be kept out of the reach of children and not be in the vicinity of the appliance.

- The appliance might not operate consistently (possibility of temperature becoming too warm in the refrigerator) when sited for an extended period of time below the cold end of the range of temperature for which the refrigerating appliance is designed.
- Do not store food which spoils easily at low temperature, such as bananas, melons.
- Your appliance is frost free, which means there is no need to manually defrost your appliance, as this will be carried out automatically.
- Temperature rise during defrosting can comply with ISO requirements.
  But if you want to prevent an undue rise in the temperature of the frozen food while defrosting the appliance, please wrap the frozen food up in several layers of newspaper.
- Any increase in temperature of frozen food during defrosting can shorten its storage life.

Except for RF24HS**C**, RF23HS**C** model

- Contains fluorinated greenhouse gases covered by the Kyoto Protocol.
- Foam blown with fluorinated greenhouse gases.
- **Foam blown additive: Perfluorohexane Global Warming Potential (GWP) = 9000**

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Saving Energy Tips

- Install the appliance in a cool, dry room with adequate ventilation. Ensure that it is not exposed to direct sunlight and never put it near a direct source of heat (radiator, for example).
- Never block any vents or grilles on the appliance.
- Allow warm food to cool down before placing it in the appliance.
- Put frozen food in the refrigerator to thaw. You can then use the low temperatures of the frozen products to cool food in the refrigerator.
- Do not keep the door of the appliance open for too long when putting food in or taking food out. The shorter time for which the door is open, the less ice will form in the freezer.
- Clean the rear of the refrigerator regularly. Dust increases energy consumption.
- Do not set temperature colder than necessary.
- Ensure sufficient air exhaust at the refrigerator base and at the back wall of the refrigerator. Do not cover air vent openings.
- Allow clearance to the right, left, top when installing. This will help reduce power consumption and keep your energy bills lower.
- For the most efficient use of energy, please keep the all inner fittings such as baskets, drawers, shelves on the position supplied by manufacturer.

This appliance is intended to be used in household and similar applications such as

- staff kitchen areas in shops, offices and other working environments;
- farm houses and by clients in hotels, motels and other residential type environments;
- bed and breakfast type environments;
- catering and similar non-retail applications.

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Setting up your French Door Refrigerator

GETTING READY TO INSTALL THE REFRIGERATOR

Congratulations on your purchase of this Samsung French Door Refrigerator.
We hope you enjoy the state-of-art features and efficiencies that this new appliance offers.

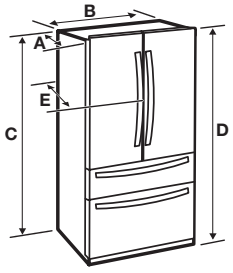
Selecting the best location for the refrigerator

Choose :

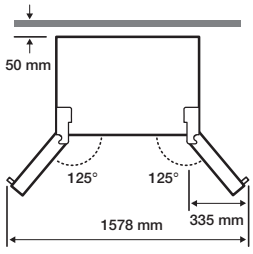
- A location with easy access to a water supply.
- A location without direct exposure to sunlight.
- A location with a level floor.
- A location with enough space for the refrigerator doors to open easily.
- A location that allows sufficient space to the right, left, back, and top for air circulation. If the refrigerator does not have enough space, the internal cooling system may not work properly.
- A location that allows you to move the refrigerator easily if it needs maintenance or service.
- Do not install the refrigerator where the temperature will go below 10 ºC.
- Do not locate the refrigerator where it may become wet.

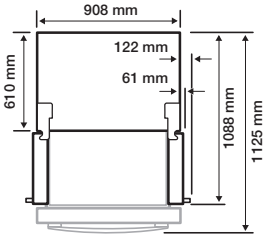
If the refrigerator does not have enough space, the internal cooling system may not work properly. If your refrigerator has an ice maker, allow extra space at the back for the water line connections. When you install the refrigerator next to a fixed wall, you need a minimum clearance of 95 mm between the refrigerator and wall to allow the door to swing open.

Important : Make sure that you can easily move your refrigerator to its final location by measuring doorways (both width and height), thresholds, ceilings, stairways, etc.
The following chart details the exact height and depth of this Samsung French Door Refrigerator.



Depth "A"	726 mm
Width "B"	908 mm
Height "C"	1749 mm
Overall Height "D"	1777 mm
Depth "E"	788 mm





Each measurement based on the design dimension, so it may differ depending on the measuring method.

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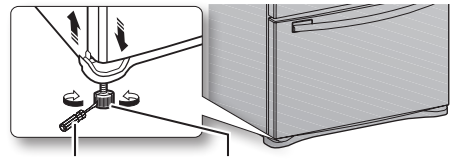
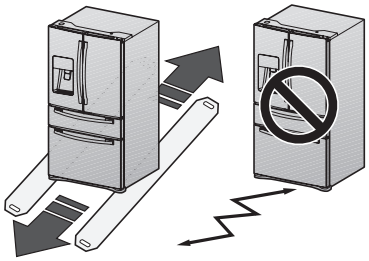
When moving your refrigerator

CAUTION To prevent floor damage, be sure the front adjusting legs are in the up position (above the floor).
Refer to 'Leveling the Refrigerator' in the manual (on page 23).



FLOORING

For proper installation, you must place this refrigerator on a level, hard surface that is the same height as the rest of the floor.
This surface should be strong enough to support a fully loaded refrigerator.
To protect the finish of the flooring, cut a large section of the cardboard carton and place it under the refrigerator where you are working.
When moving the refrigerator, you need to pull and push it straight forwards or back.
Do not wiggle it from side to side.



ACCESSORIES AND REQUIRED TOOLS

The following accessory is included with your refrigerator:

Fastener

Required Tools (Not provided)

You need the following tools to complete the installation of your refrigerator:

Philips screwdriver (+)	Flat-blade screw driver (-)	Socket wrench (10 mm)
Pliers	Allen wrench (5 mm)	

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REMOVING THE REFRIGERATOR DOORS

For some installations you need to remove the fridge and freezer drawers so you can move the refrigerator to its final location.

Do not remove the doors/drawer if you don't need to.

If you need to remove the doors. continue below. If you do not need to remove the refrigerator doors, go to `Leveling the Refrigerator' on page 23.

WARNING Disconnect power to the refrigerator before removing the door or drawer.

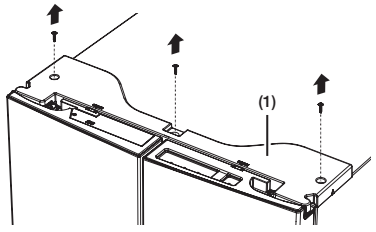
- Be careful not to drop, damage, or scratch the doors/drawers while removing them.
- Use care when you remove the doors/drawers. The doors are heavy and you could injure yourself.
- Reattach the doors/drawers properly to avoid:
- Moisture from air leakage.
- Uneven door alignment.
- Wasting energy due to improper door seal.

Disassemble the refrigerator doors

WARNING Be careful not to drop and scratch the doors while removing them.

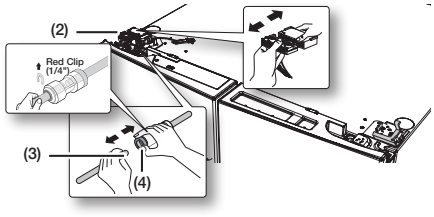
With the door opened

1. Remove the 3 screws holding down the TOP TABLE (**1**) and separate the connected wires.



2. Disconnect the two connectors (**2**) on the left side door.
   To remove the water coupler from the hinge, twist and pull it from the hinge. Remove the water line (**3**) while pressing the marked part (**4**) of the water line coupler.

CAUTION If a red clip is on the coupler, you must remove it before removing the tube.



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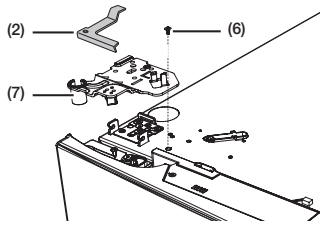
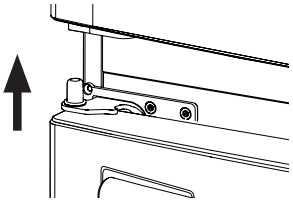
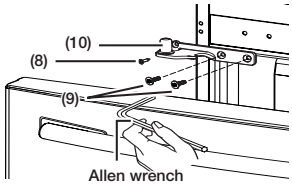
3. Pull and remove the hinge lever (**5**).
   Remove the ground screw (**6**) attached to the upper left door hinges with a philips screwdriver (+).
   Remove the upper left and right door hinges (**7**).



4. Lift the door straight up to remove.



5. Remove the screw (**8**) attached to the lower left and right door hinges with a philips screwdriver (+).
   Remove the 2 hex head bolts (**9**) attached to the lower left and right door hinges with an allen wrench (5 mm).
   Remove the lower left and right door hinges (**10**).



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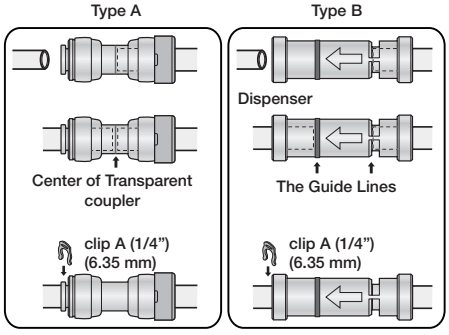
RE-ATTACHING THE WATER SUPPLY LINES

To reattach the fridge doors after you have moved the fridge to its final location, assemble the parts in reverse order.

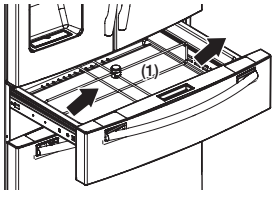
1. The Water Line must be fully inserted into the center of the transparent coupler (Type A) or the Guide Lines (Type B) to prevent water leakage from the dispenser.

2. Insert the clip in the install pack and check that it holds the line firmly.

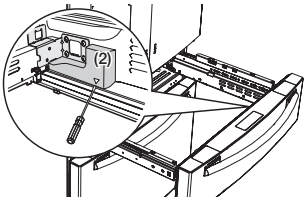


DISASSEMBLING THE FLEX DOOR

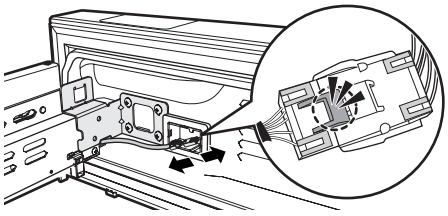
1. Take out the Flex Zone (**1**) by lifting it up.



2. Take off the cover (**2**) w/harness with a flat-blade screwdriver (-).

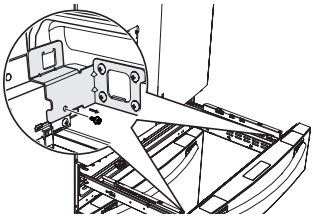


3. Press the locking tab and separate the Wire Connector.



CAUTION When reassembling it, be sure to connect the wire harness.
If it is not connected, the Flex Room does not work.

4. Remove 1 hex head bolt from each side with a socket wrench (10 mm).



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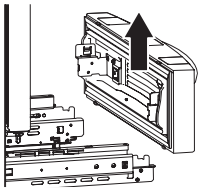
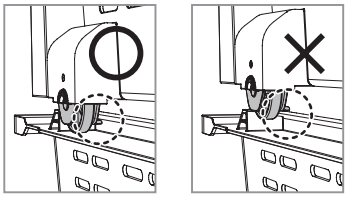
5. Lift up the Flex door from the rails.



CAUTION Putting too much food into the freezer drawers can prevent the freezer from closing completely and can cause frost build-up.



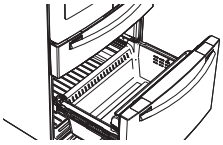
RE-ASSEMBLING THE FLEX DOOR

To reattach the flex doors, assemble parts in reverse order.

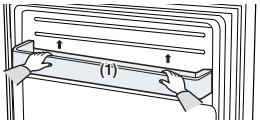
CAUTION Be sure to connect the Flex Door Wire Connector. If it is not connected, the Flex Room does not work.

DISASSEMBLING THE FREEZER DOOR

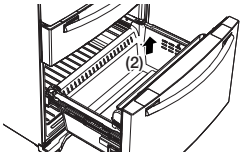
1. Take out the upper drawer by lifting it up.



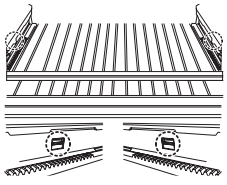
2. Remove the freeze room guard (**1**) by lifting the guard up.



3. Take out the lower basket (**2**) by lifting the basket up from the rail system.



4. Press the fixing hook of the rail system.



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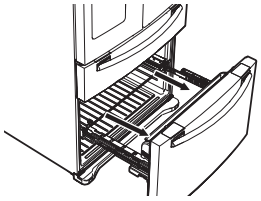
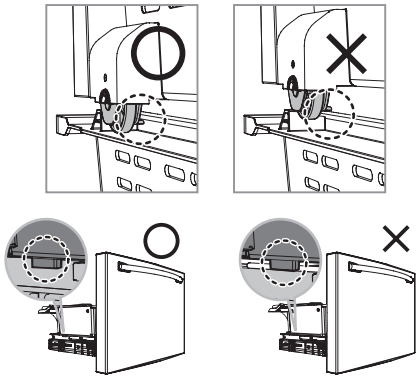
5. Holding the top of the Freezer Drawer, pull it out all the way, and then remove it from the rail system.



CAUTION Be careful not to scratch or dent the sliding rail by letting it strike the floor.

CAUTION Make sure that you mount the freezer basket in the right position when removing / installing the freezer door. Failing to do so may result in the door not opening or closing properly.

CAUTION Putting too much food into the freezer drawers can prevent the freezer from closing completely and can cause frost build-up.



RE-ASSEMBLING THE FREEZER DOOR

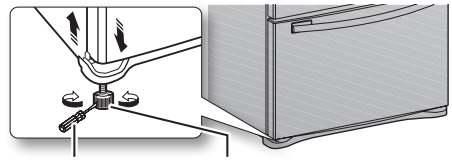
To reattach the drawer after you have moved the fridge to its final location, assemble the parts in reverse order.

LEVELING THE REFRIGERATOR

Make sure the refrigerator is level so that you can make final adjustments.
Use a level to test if the refrigerator is level both side to side and back to front.
If the refrigerator is not level, you will not be able to get the doors perfectly even, which may cause moisture condensation and increased energy bills.
Below is an example of how to level the refrigerator if the left side of the refrigerator is lower than the right side.

How to level the refrigerator

1. Open the freezer drawer and remove the lower basket.
2. Remove the Cover Leg to adjust the leg.
3. Insert a flat-blade screwdriver (-) into the notch on the left control lever, and turn it counter-clockwise to level the refrigerator.
   (You turn the lever clockwise to lower the refrigerator and counterclockwise to raise it.)



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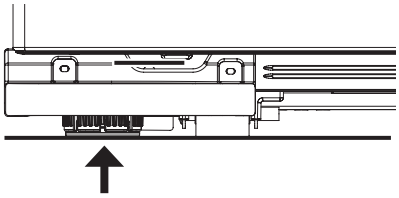
CAUTION Both control levers must be touching the floor to avoid possible personal injury or property damage because of tipping.



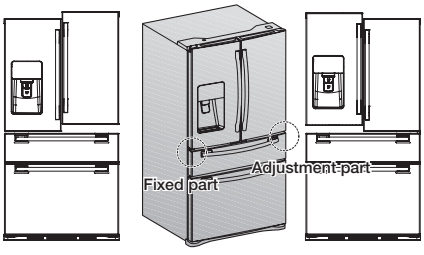
CAUTION The refrigerator on an uneven floor may tilt.
To prevent this, adjust the leg so that it contacts the floor.

If the right side is lower, perform the same procedure, but with the right control lever.

It is difficult to remove the cover leg front from the refrigerator, so we do not recommend making small adjustments with the control lever.
Instead, refer to the next page for the best way to make minor adjustments to the doors.

MAKING MINOR ADJUSTMENTS TO THE DOORS

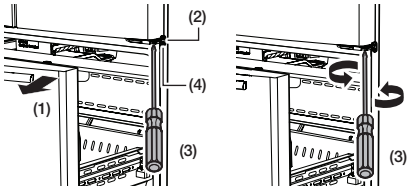
Remember, a leveled refrigerator is necessary for getting the doors perfectly even.
If you need help, review the previous section on leveling the refrigerator.



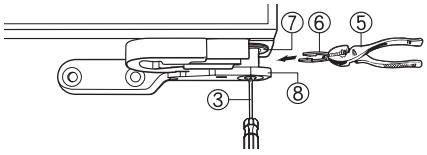
The left door is fixed.
To make minor door adjustments, adjust only the right door.

1. Pull out the flex door (**1**) to reveal the lower hinge (**2**).
2. Insert a philips screwdriver (+) (**3**) into the shaft (**4**) of the lower hinge.
3. Adjust the height by turning a philips screwdriver (+) (**3**) clockwise (DOWN) or counterclockwise (UP).

When you turn a philips screwdriver (+) counterclockwise ( ), the door will move up.



4. After adjusting the doors, insert the supplied fastener (**6**) using a pliers (**5**) in the gap between the hinge-grommet (**7**) and the lower hinge (**8**). The number of fasteners you'll need to insert depends on the gap.



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INSTALLING THE WATER DISPENSER LINE

A water dispenser with a filter is one of the helpful features on your new refrigerator.
To help promote better health, the water filter removes unwanted particles from your water. However, it does not sterilize or destroy microorganisms.
You may need to purchase a water purifying system to do that.
In order for the ice maker to operate properly, a water pressure of 138 ~ 862 kPa is required.
Under normal conditions, a 170 cc (5.75 oz.) cup can be filled in about 10 seconds.
If the refrigerator is installed in an area with low water pressure (below 138 kPa), you can install a booster pump to compensate for the low pressure.
After you have connected the water line, make sure the water storage tank inside the refrigerator is properly filled.
To do this, press the water dispenser lever until the water runs from the water outlet.

Water line installation kits are include with unit. You can find it in freezer drawer.

The new hose-sets supplied with the appliance are to be used and that old hose-sets should not be reused.

Parts for water line Installation

Water line fixer and screws

Pipe connector

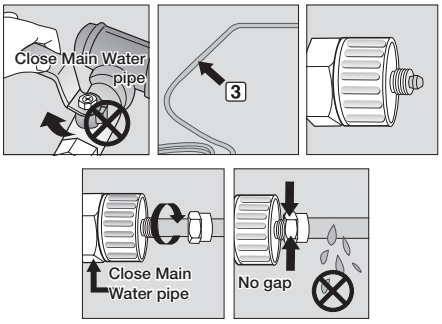
Water line

Connecting to the water supply line

1. First, shut off the main water supply line.
2. Locate the nearest cold, drinking water line.
3. Follow the Water line Installation Instructions in the installation kit.

CAUTION

The water line must be connected to the cold water pipe.
If it is connected to the hot water pipe, it may cause the purifier to malfunction.



4. After connecting the water supply to the water filter, turn your main water supply back on and dispense about 3 L to clear and prime the water filter.

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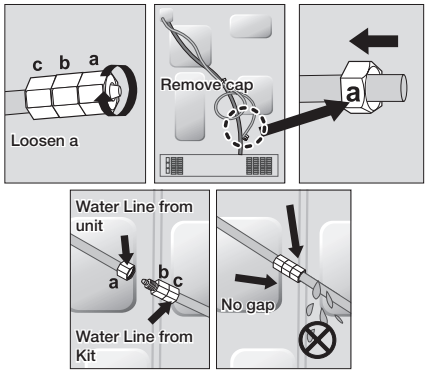
Connecting the water line to the refrigerator

1. Remove the cap from the water line on the unit and insert the compression nut of the water line into the water line on the unit.
2. Connect the water line on the unit with the water line in the kit .
3. Tighten the compression nut onto the compression fitting.
   There should be no gaps between (A, B & C)
4. Turn water on and check for any leakage.

Only connect the water line to a drinkable water source.
If you have to repair or disassemble the water line, cut off 6.5 mm of the plastic tubing to make sure you get a snug, leak-free connection.



CAUTION Before being used, the leakage in these places should be examined.

- Samsung Warranty does not cover WATER LINE INSTALLATION.
- It will be done at customer's charge unless the retail price includes installation cost.
- Please contact Plumber or Authorized Installer for the installation if needed.
- If Water leakage occurs due to improper installation, Please contact installer.

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Installing a SodaStream 60 L CO_2 Carbonator

To use the Sparkling Water feature on your refrigerator, you need to install a Sodastream 60 L CO_2 Carbonator.
You can pick up the SodaStream 60 L CO_2 Carbonator at retailer near you and your first Sodastream CO_2 Carbonator is free. (For further information, please visit “www.sodastream.com/samsung”)

Purchasing SodaStream 60 L CO_2 Carbonators

- Purchase SodaStream 60 L Carbonators at the nearest Sodastream retailer or on line.
  Visit www.sodastream.com for more information.
- USE ONLY SODASTREAM 60 L CARBONATORS. SAMSUNG and SODASTREAM are not legally responsible for any damage, including, but not limited to, property damage caused by gas leakage from the use of generic carbonators (or CO_2 cylinders). The sparkling water system in your SAMSUNG refrigerator is designed to work ONLY WITH SODASTREAM 60 L CARBONATORS.
- We suggest buying extra Carbonators for later use.
  Store extra Carbonators in a cool, open space, well out of the reach of children.
  Do not store Carbonators in the refrigerator.

If sparkling water is produced when the internal refrigerator temperature or the temperature of the CO_2 cylinder is high, you may hear a “horn sound”.
When you turn on your refrigerator for the first time, you should not generate sparkling water production until after approximately 2 hours.
When you purchase a new CO_2 cylinder, be sure to store it in a cool dry place until you are ready to install it (23 ~ 68 °F (-5 ~ 20 °C)).
If the cylinder is stored in higher temperatures, it may build up extra internal pressure, which could create a “horn sound” when sparkling water is produced.

Water Line Hookup

- Make sure that you have connected the refrigerator to a water line before installing the cylinder.

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Installing a Carbonator into the Refrigerator

To install a new SodaStream 60 L Carbonator in the refrigerator, follow these steps:

1. Open the CO_2 cylinder cover. • The sparkling water maker is turned off by default. Since the sparkling water maker is turned off, the “OFF” icon on the display is turned on. - Refer to Page 44 ; Turning Off the Sparkling Water Function.	
2. Attach the SodaStream 60 L Carbonator to the Regulator, and then rotate it clockwise. • You must use a Sodastream™ CO_2 cylinder (60 L). • Replacement SodaStream cylinders are available for easy exchange or refill at local Sodastream retailers. • Wrap the used cylinder and return it to the person who delivers the new cylinder in USA and Canada. In Australia and New Zealand, please return empty CO_2 Cylinder to the service or information counter at your local retailer for exchange/refill. All costs associated to the refill or exchange of the CO_2 Cylinder are that of the refrigerator owner. Thread of CO_2 cylinder is different according to country by country. 	
3. Push the SodaStream 60 L Carbonator into the Support.	
4. Lock the SodaStream 60 L Carbonator into place by pressing the Lever. • The inner pressure of the Carbonator may make it difficult to press the lever down. Hold the lever as shown in the illustration on the right, and then push down. • If you don’t lock the Carbonator into place, the refrigerator won’t produce sparkling water. • If the Carbonator is not tightly connected to the Regulator, it will leak CO_2 gas, producing a hiss. If this occurs, repeat Steps 2, 3, and 4, making sure that the Carbonator is firmly attached and locked into place.	

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5. The sparkling water concentration is set to '2' by default.
   Press the "Sparkling Water" button to set the concentration to a desired level and press and hold the Quick Sparkling button for 3 seconds to activate the Fill Up.
   If the Sparkling Water function is deactivated, press and hold the Sparkling Water or Quick Sparkling button for 3 seconds to reactivate it.
   Once the CO_2 cylinder is reset, sparkling water is produced.

- To produce sparkling water, the sparkling water tank is filled with water and the CO_2 gas is injected according to the configured concentration.
- To remove foreign substances that may exist in the sparkling water tank, discard the first 1.2 L of sparkling water.
- The sparkling water will not dispense while it is producing. When the numbers (3 2 1) next to the sparkling water icon stops blinking, Sparkling water can be dispensed.

Press 3 seconds Press 3 seconds

- To Uninstall the CO_2 cylinder, follow the above step #1 ~ #4 in reverse order.

For more information about using the Sparkling Water function, see Using the Sparkling Water Function.

Completing the Set Up

Now that you have your new refrigerator installed in place, you are ready to set up and enjoy the features and functions of the appliance.
By completing the following steps, your refrigerator should be fully operational.

1. Make sure your refrigerator is in an appropriate location with reasonable clearance between it and the wall. Refer to installation instructions in this manual.
2. Once the refrigerator is plugged in, make sure the interior light comes on when you open the doors.
3. Set the Temperature control to the coldest temperature and wait for an hour.
   The freezer will get slightly chilled and the motor will run smoothly.
   Reset the refrigerator and freezer to the temperatures you want.
4. After you plug the refrigerator take a few hours to reach the appropriate temperature.
   You can store food and drinks in the refrigerator after the temperature is sufficiently cool.

If condensation or water drops appears on both sides of fridge door's central part, turn the Energy Saver mode off after removing the condensation.
(See the explanation Energy Saver button in USING THE CONTROL PANEL.)

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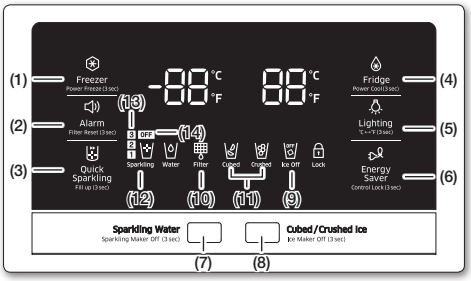
Operating your French Door Refrigerator

USING THE CONTROL PANEL



(1)	**Freezer (Power Freezer (3 sec))**
	The Freezer button serves two purposes: - To set the Freezer to your desired temperature. - To turn the power freeze function on and off. 1) To set the Freezer temperature, touch the Freezer button to set the Freezer to your desired temperature. You can set the temperature between -15 °C and -23 °C. 2) Power Freeze function Touch and hold this button for 3 seconds to decrease the time needed to freeze products in the Freezer. It can be helpful if you need to quickly freeze easily spoiled items or if the temperature in the freezer has warmed dramatically (For example, if the door was left open). When you use this function the energy consumption of the refrigerator will increase. Remember to turn it off when you don't need it and return the freezer to your original temperature setting. If you need to freeze large amount of food stuff, activate Power Freeze function at least 20 hours before.

(2)	**Alarm (Filter Reset (3 sec))**
	The Alarm button serves two purposes: - To turn the door open alarm on and off - To reset the water filter life indicator. 1) Door Alarm Function If the door alarm is set to On, an alarm beeps if any refrigerator door is left open for more than three minutes. The beeping stops when you close the door. The door alarm function is pre-set to On in the factory. You can turn it off by pressing and then releasing the Alarm button. You can turn it back on in the same fashion. The icon lights up when the function is on. When the Door Alarm function is on and the alarm sound is triggered, the Door Alarm Icon will blink while the alarm sounds. 2) Water Filter Life Indicator Function After you replace the water filter, touch and hold this button for 3 seconds to reset the water filter life indicator. When you reset the water filter life indicator, the Filter icon on the panel turns Off. The Filter icon will turn red to let you know it is time to change the water filter after six months (about 300 gallons). Some areas have large amounts of lime in their water, which causes the water filter to clog more quickly. If this is the case in your area, you will have to change the filter more frequently than every six months.

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(3) Quick Sparkling (Fill up (3 sec))

The Quick Sparkling button serves two purposes:
- To produce the sparkling water rapidly.
- To active the Fill up function.

1) Quick Sparkling Function
When press the Quick Sparking button, the Icon will turn on and produce the sparking water rapidly.
Press the Quick Sparkling button to instantly activate it if sparkling water is being produced. If not, this option will be applied next time you produce sparkling water.
The concentration of carbonic in the sparking water will produce by 3 levels.

2) Fill Up Function
When replace the CO_2 cylinder, press the 'Quick Sparkling/Fill up (3 sec)' button for 3 seconds to active the Fill up function.
The water will fill in the sparkling water tank and CO_2 gas will inject to water for make the sparkling water.
The sparkling water which is made by this function can be produced differently depending on the amount and concentration of the remaining sparkling water in the tank.
If the resultant sparkling level by Fill Up is not what you expected, select a desired sparkling level and empty the sparkling water tank so that the new setting is applied properly.

(4) Fridge (Power Cool (3 sec))

The Fridge button serves two purposes:
- To set the Fridge to your desired temperature.
- To turn the Power Cool function on and off.

1) To set the Fridge temperature, press the Fridge button to set the refrigerator to the temperature you want.
You can set the temperature between 7 °C and 1 °C.

2) Power Cool function
Touch and hold this button for 3 seconds to decrease the time needed to cool products in the Refrigerator.
It can be helpful if you need to quickly cool easily spoiled items or if the temperature in the fridge has warmed dramatically (For example, if the door was left open).

(5) Lighting (ºC ↔ ºF (3 sec))

Lighting button serves two purposes:
- To turn the dispenser light on and off
- To switch the temperature units between ºC and ºF

1) Light Function
Touching the Lighting button turns on the Dispenser LED lamp in continuous mode so that it stays on continuously.
The button also lights up.
If you want the Dispenser lamp to come on only when someone uses the dispenser, press the Lighting button to turn the continuous mode off.

2) To switch the temperature units between ºC and ºF Touch and hold this button for 3 seconds to select the temperature display you want.
Each time you press and hold the button, the ºC and ºF temperature modes alternate and the ºC and ºF icon lights up, indicating your selection.

(6) Energy Saver (Control Lock (3 sec))

Energy Saver button serves two purposes:
- To turn the Energy Saver mode on and off
- To turn the Control Lock function on and off.

1) Energy Saver Function
When you turn Energy Saver on, the Energy Saver icon lights.
Turn Energy Saver off and the icon goes off.
The Energy Saver function's factory setting is "ON".
If condensation or water drops appear on the doors, turn the Energy Saver mode off.

2) Control Lock Function
Touch and hold this button for 3 seconds to lock the display, the Flex Zone panel, and the dispenser buttons so the buttons can not be used.
When Control Lock is on, the refrigerator does not dispense ice, water, or sparkling water, even if the Dispenser Lever is pressed.
The Control Lock icon lights up to indicate you've activated the Child Lock function.
Press 3 seconds to unlock.

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(7)	**Sparkling Water (Sparkling Maker Off (3 sec))**
	The Sparkling button serves three purposes : - To dispense sparkling (carbonated) water. - To select the carbonation level of the sparkling water. - To turn the Sparkling Water Production Function on and off. 1) To dispense sparkling (carbonated) water. To dispense sparkling water, press the Sparkling Water button. When you press the Sparkling Water button while either Cubed Ice or Crushed Ice is selected, the Sparkling Icon will turn on. When there is no sparkling water left or the refrigerator is making sparkling water, the dispenser does not dispense sparkling water. 2) To select the carbonation level of the sparkling water. When you press the Sparkling Water button while the Sparkling Water Icon is turned on, the Carbonation Level will change as follows; Medium (Level-2) → Strong (Level-3) → Weak (Level-1) → Medium (Level-2). The next time the refrigerator makes sparkling water, it applies the new Carbonation Level. - If there is previously produced sparkling water inside the Sparkling Water tank, the refrigerator dispenses sparkling water with the previous carbonation level. (Changes in the carbonation level do not take effect until the next time the refrigerator makes sparkling water.) - While the refrigerator is producing sparkling water, the Carbonation Level icons light up in rotation (Level-1 → Level-2 → Level-3 → Level-1, etc.). If you press the Sparkling Water button when the refrigerator is making sparkling water, the current carbonation level is displayed for several seconds, and then the Carbonation Level icon light rotation begins again. If you press the Sparkling Water button again while the current carbonation level is being displayed, the carbonation level changes. The change in the carbonation level will take effect the next time the refrigerator makes sparkling water.
	3) Sparkling Water Production Function On / Off Each time you press this button for 3 seconds, you turn the Sparkling Water Production function on or off. When you turn on the Sparkling Water Production function, the refrigerator begins to make sparkling (carbonated) water. (If you turn off the Sparkling Water Production function a few seconds after turning it on, sparkling water production will terminate. If more than a few seconds pass, the refrigerator will start producing sparkling water. While the refrigerator is producing sparkling water, it won't dispense sparkling water.) When you turn off the Sparkling Water Production function, the "OFF" Icon on the Display Panel turns on. When you turn on the Sparkling Water Production function, the "OFF" Icon on the Display Panel turns off. When the Sparkling Water Production function is off, the refrigerator does not make sparkling water. If you turn off the function when the refrigerator is in the middle of making sparkling water, it halts the function after finishing the current operation. Your refrigerator was manufactured with the Sparkling Water Production function set to "OFF". When you are connecting the water lines, or mounting or replacing the CO_2 Cylinder, turn off the Sparkling Water Production function before you begin. Turn on the function only after you have completed the work. To produce sparkling water, you must install a CO_2 Cylinder. For instructions, see Installing and Using CO_2 Cylinders.

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(8)	**Cubed / Crushed Ice (Ice Maker Off (3 sec))**
	The Cubed/Crushed Ice button serves two purposes: - To select the type of ice you want dispensed. - To turn the Ice maker on and off. 1) Cubed / Crushed Function To Select the type of ice. Press the Cubed/Crushed Ice button to select the type of ice you want dispensed. Each time you press the button, the cubed and crushed ice modes alternate and the Cubed or Crushed ice icon lights up, indicating your selection. 2) Ice Maker Off function If you don't want to make more ice, Touch and hold this button for 3 seconds.

(9)	**Ice Off**
OFF	If you don't want to make more ice, Touch and hold Ice Maker Off button for 3 seconds. The icon will light up and the Ice-Maker stops making ice. We recommend you stop ice making if the following occur: - There is enough ice in the ice bucket. - You want to save water and energy. - Water is not being supplied to the refrigerator. If the ice maker function is ON, and the water line is not connected, there will be a water valve noise from the back of the unit. If this occurs, press the Ice Maker Off button for more than 3 seconds until the Ice Off Indicator ( ) illuminates.

To save electricity, the Panel Display turns off automatically under the following conditions: When no button has been pressed, when no doors are open, or when no Dispenser Lever has been pushed.
However, the icon indicating your cubed or crushed ice selection, or sparkling water selection, will stay on.
When you press a button, open a door, or push a Dispenser Lever, the Panel Display will turn on again.
All function keys will become operational after you remove your finger from the button you pressed.

(10)	**Filter**
	Water filter usage This icon lights up when you need to change the filter, usually after the refrigerator has dispensed about 300 gallons of water (after about 6 months). The icon will blink red for several seconds when you open or close the door. After you install the new water filter, reset the filter indicator by touching and holding the Hold 3sec for Filter Reset button for 3 seconds. - If water is not dispensing or dispensing slowly, you need to replace the water filter because the water filter is clogged. - Some areas have large amounts of lime in their water, which causes the water filter to clog more quickly.

(11)	**Cubed/Crushed**
Cubed Crushed	Press the Cubed/Crushed Ice button to select the type of ice you want dispensed. Each time you press the button, the cubed and crushed ice modes alternate and the Cubed or Crushed ice icon lights up, indicating your selection.

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(12)	Sparkling Icon
	When you press the Sparkling Water button (Button 7), the Sparkling Water Icon goes on.

(13)	Sparkling Water Production Level Icons
3 2 1	The Sparkling Water Production Level icons display the currently set Carbonation Level. When you press the Sparkling Water button while the Sparkling Water Icon is turned on, the Carbonation Level will change as follows; Medium (Level-2) → Strong (Level-3) → Weak (Level-1) → Medium (Level-2). - If there is previously produced sparkling water inside the Sparkling Water tank, the refrigerator dispenses sparkling water with the previous Carbonation Level. (Changes in the Carbonation Level do not take affect until the next time the refrigerator makes sparkling water.) - While the refrigerator is producing sparkling water, the Carbonation Level icons light up in rotation (Level-1 → Level-2 → Level-3 → Level-1, etc.). If you press the Sparkling Water button when the refrigerator is making sparkling water, the current carbonation level is displayed for several seconds, and then the Carbonation Level icon light rotation begins again. If you press the Sparkling Water button again while the current carbonation level is being displayed, the carbonation level changes. The change in the carbonation level will take effect the next time the refrigerator makes sparkling water. - If you change the carbonation level when the refrigerator is making sparkling water, the refrigerator produces sparkling water at the previous carbonation level.

(14)	Sparkling Icon
OFF	Each time you press Sparkling Water button (button 7) for 3 seconds, you turn the Sparkling Water Production function on or off. When you turn off the Sparkling Water Production function the Sparkling Water Off Icon on the Display Panel turns on. When you turn on the Sparkling Water Production function, the Off Icon on the Display Panel turns off. If a water leak is detected in the Sparkling Water Production Module, the Off Icon blinks, the refrigerator stops dispensing and producing sparkling water, and the Sparkling Water Production function automatically switches to OFF. In addition, the Sparkling Water Production function will not turn on, even if you press the Quick Sparkling button or Sparkling Water button for 3 seconds.

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CHANGING THE WATER FILTER

WARNING To reduce the risk water damage to your property DO NOT use generic brands of water filters in your SAMSUNG Refrigerator.

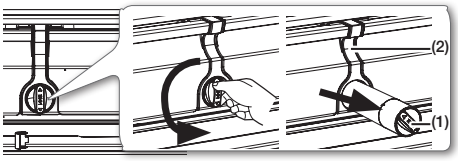
USE ONLY SAMSUNG BRAND WATER FILTERS.
SAMSUNG is not legally responsible for any damage, including, but not limited to, property damage caused by water leakage from the use of a generic water filter.

(Red)

SAMSUNG Refrigerators are designed to work ONLY WITH SAMSUNG Water Filters.
The Filter light turns red to let you know when it is time to change your water filter cartridge.
To give you time to get a new filter, the red light comes on just before the capacity of the current filter runs out.
Changing the filter on time provides you with the freshest, cleanest water from your refrigerator.

To Change the Water Filter

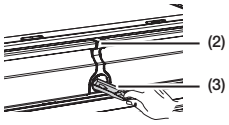
1. Shut off the water supply.
   Then, turn the water filter (**1**) about 1/4 turn, counter-clockwise.



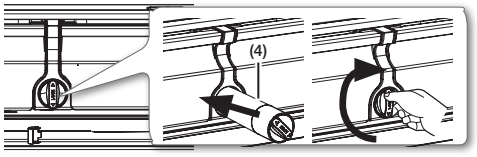
2. Pull the water filter (**1**) from the case filter (**2**).

   • To change the water filter more easily, shut off the water supply valve.

- Sometimes, it is hard to disassemble the water filter because impurities in the water cause it to stick.
  If you are having difficulties, grip the water filter firmly and pull it hard.
- When you pull the water filter, a little water can leak from the opening.
  This is normal.
  To minimize the water leaks, keep the filter cartridge horizontal when you pull it.
- To prevent overflow, empty the water filter tray (**3**) and dry around the filter case (**2**).



3. Insert the new filter into the filter case (**4**).



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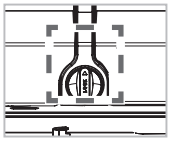
4. Push the filter, and then turn it clockwise until it locks.

• If you have trouble inserting the water filter because of high water pressure, shut off the water supply valve.



• The locked symbol should be lined up with the indicator line.

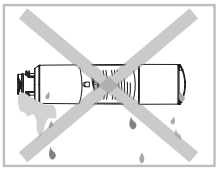
5. Touch the **"Alarm/Filter Reset (3 sec)"** button ((Filter Reset)) for about 3 seconds to reset the water filter.
The color of the indicator ( ) changes from red to off.

6. If you turned off the water supply, turn it back on.

For a replacement water filter, you can visit your local home Improvement center or contact the Samsung Parts distributor.
To order more water filter cartridges, contact your authorized Samsung dealer.
Be sure the replacement water filter has the SAMSUNG logo on the box and on the water filter.

Removing any residual matter inside the water supply line after installing the water filter.

1. Turn ON the main water supply if you turned it off when you installed the water filter.
2. Run water through the dispenser until the water runs clear (approx. 6 to 7 minutes). This will clean the water supply system and remove air from the lines.
3. Additional flushing may be required in some households.
4. Open the Refrigerator door and make sure there are no water leaks coming from the water filter.



Be sure to flush the dispenser thoroughly, otherwise water may drip from the dispenser.
This means that there is still air in the line.

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Reverse Osmosis Water Supply IMPORTANT:

The pressure of the water supply coming out of a reverse osmosis system going to the water inlet valve of the refrigerator needs to be between 35 and 120 psi (241 and 827 kPa).
If a reverse osmosis water filtration system is connected to your cold water supply, the water pressure to the reverse osmosis system needs to be a minimum of 40 to 60 psi (276 to 414 kPa).
If the water pressure to the reverse osmosis system is less than 40 to 60 psi (276 to 414 kPa):

- Check to see whether the sediment filter in the reverse osmosis system is blocked. Replace the filter if necessary.
- Allow the storage tank on the reverse osmosis system to refill after heavy usage.
- If your refrigerator has a water filter, it may further reduce the water pressure when used in conjunction with a reverse osmosis system. Remove the water filter.

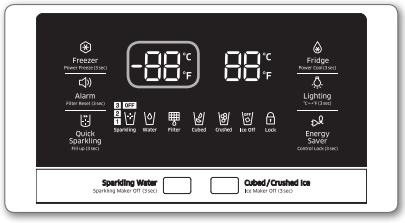
If you have questions about your water pressure, call a licensed, qualified plumber.

CONTROLLING THE TEMPERATURE

Basic temperature of Freezer and fridge compartments

The basic and recommended temperatures of the Freezer and Fridge compartments are -19 °C and 3 °C respectively.
If the temperature of the Freezer and Fridge compartments are too high or low, adjust the temperature manually.

Controlling the Freezer temperature



Recommend Temp (Freezer) : -19 °C

The Freezer temperature can be set between -23 °C and -15 °C to suit your particular needs. Press the Freezer button repeatedly until the desired temperature is shown in the temperature display.
The temperature will change by 1 °C (or 1 °F) with each press. See below.

Centigrade : -19 °C → -20 °C → -21 °C → -22 °C → -23 °C → -15 °C → -16 °C → -17 °C → -18 °C → -19 °C.

Keep in mind that foods like some ice cream may melt at -15.5 °C.
The temperature display will move sequentially from -23 °C and -15 °C.

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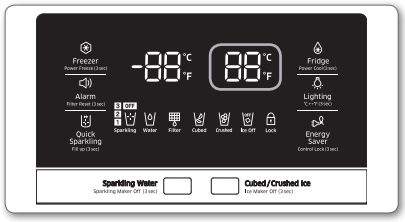
Controlling the fridge temperature



Recommend Temp (Fridge) : 3 °C

The fridge temperature can be set between 1 °C and 7 °C to suit your particular needs.
Press the Fridge button repeatedly until the desired temperature is shown in the temperature display.
The temperature will change by 1 °C with each press. See below.

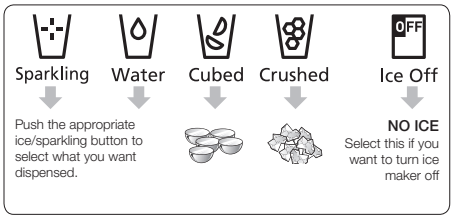
Centigrade : 3 °C ➞ 2 °C ➞ 1 °C ➞ 7 °C ➞ 6 °C ➞ 5 °C ➞ 4 °C ➞ 3 °C.

The temperature control process for the Fridge works just like the Freezer process.
Press the Fridge button to set your desired temperature.
After a few seconds, the Fridge will begin adjusting towards the newly set temperature.
This will be reflected in the digital display.

- The temperature of the Freezer or Fridge may rise when you open the doors too frequently, or if a large amount of warm or hot food is placed inside.
- A rise in temperature may cause the digital display to blink.
  Once the Freezer and Fridge temperature return to their normal set temperatures, the blinking will stop.
- If the blinking continues, you may need to “reset” the Refrigerator.
  Try unplugging the appliance, waiting for around 10 minutes and then plugging the power cord back in.
- If there is a communication error between the Display and Main Controller, the Convertible Display light may blink.
  If the blinking continues for a long period of time, please contact a Samsung Electronics Service Center.

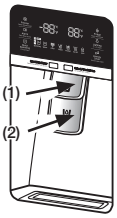
USING THE COLD WATER DISPENSER

Push the appropriate ice/ sparkling button to select what you want dispensed.



Using the ice lever (1)

Push the Ice/Sparkling lever dispenser (**1**) gently with your glass. Ice or Sparkling will be released from the dispenser.
You can choose the type of ice or sparkling water by pushing the ice/sparkling button first.



Using the Water lever (2)

Push the Water lever dispenser (**2**) gently with your glass. Water will be released from the dispenser.

If you push the water and Ice lever at about the same time, the dispenser operates only the option you actually selected or pushed first.

Please wait 1 second before removing the glass after dispensing water to prevent spills.
Do not pull out the dispenser lever after dispensing ice or water.
It comes back automatically.

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Using the Ice & Water Dispenser together

To get Ice and water, select the type of ice, then push the Ice/Sparkling lever (**1**) first for ice, and then move your glass down and press the water dispenser lever (**2**) for water.

Maintaining the Ice Bucket

- To clean the ice bin/bucket, wash with a mild detergent, rinse well, and dry thoroughly it. Do not use harsh or abrasive cleaners or solvents.
- Ice is made in cubes.
  When you select “Crushed”, the ice maker grinds the ice cubes into crushed ice.
- When you select Cubed Ice after using the Crushed Ice mode, a small amount of residual crushed ice might be produced.
- The ice cubes generated by the rapid ice making process will look white, which indicates they were generated normally.
- As the ice maker in the refrigerator room makes ice cubes even faster, move the ice cubes from the refrigerator ice bin to the freezer ice bin if you need more ice cubes.
- If ice doesn’t come out, pull out the ice bucket and press the test button located on the right side of ice maker.
  See the illustration below.
- Do not press the test button continuously when the tray is filled with ice or water.
  Water may overflow or ice may jam the bucket.

Making Ice

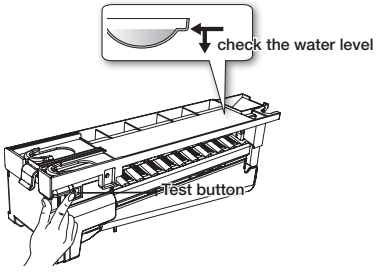
- To fill the ice bucket to maximum capacity after installation, follow these steps:

1. Allow your refrigerator to operate and cool down for 24 hours (or 1 full day).

- Waiting 24 hours will allow your ice maker to cool properly.

2. Dispense 4 to 6 ice cubes into the glass.
3. After 8, and then 16 hours, dispense a full glass of ice.

- To test the ice maker, press the Test button on the ice maker.
  You will hear the refrigerator chime (ding-dong). When the chime sounds, release the Test button.
- The chime sounds automatically again to let you know the ice maker is working well.



CAUTION If you want to remove the ice cubes without using the ice bucket, please turn the ice maker off and remove the ice maker’s front cover from the ice maker. Note that the ice cubes in the ice maker can spill out over the drawer.

CAUTION Do not put food in the ice bucket. If you store food in the ice bucket, the food can strike the ice maker when you open or close the door, causing damage to the ice maker.

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CAUTION Note that the ice cubes in the ice bucket may spill out over the drawer when you remove the ice bucket from the drawer. If this occurs, be sure to clear the ice cubes that spilled out of the drawer.

CAUTION If a power failure occurs, ice cubes may melt, and then freeze together when the power comes back on, causing the dispenser to stop working.

To prevent this problem, after a power failure, pull out the ice bucket and discard the residual ice or water.

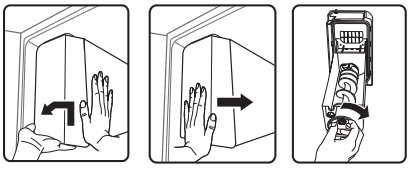
If you use all the ice at once, you must repeat ice making Steps 2 and 3, left. However, only wait 8 hours before dispensing the first 4 to 6 ice cubes. This will replenish the ice cubes and ensure maximum ice production.

Using the ice off Function

When you select the Ice Off mode, remove all ice cubes from the bucket.
If you leave the ice cubes in the bucket, the ice cubes may clump together, making it difficult to remove them.
To remove the ice bucket safely and avoid injury, hold the bottom of the bucket with one hand and the side of the bucket with the other.
Then, lift up on the ice bucket, and pull it straight out.
To put the ice bucket back in, push it firmly straight back.

If the ice bucket is not pushed firmly into place, ice in the bucket can melt.

If the bucket does not fit, turn the helix 90 degree (see the last illustration on the right, below) and try again.



CAUTION
- The inside of the ice bucket is very cold when the refrigerator is operating. Do not reach deep inside the ice bucket.
- Use only the ice maker provided with the refrigerator.
  The water supply to this refrigerator must only be installed/connected by a suitably qualified person.
  Connect to a potable water supply only.
- To operate the ice maker properly, water pressure of 20 ~ 125 psi is required.

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Going on vacation...

If you have a long vacation or business trip and won't use the water or ice dispensers for a long time:

- Close the water valve.
  Otherwise, water leakage may occur.
- Remove all food.
- Unplug the refrigerator.
- Wipe excess moisture from inside and leave the doors open.
  Otherwise, odor and mold may develop.

Ice Maker Do's and Don'ts

- Do not put your fingers, hands or any other unsuitable objects in the chute or ice-maker bucket
- It may result in personal injury or material damage.
- Never put your finger or any other objects in the dispenser opening.
- It may cause injury.
- Do not try to disassemble the ice maker.
- Do not wash or spray the ice bucket with water while it is in the refrigerator.
  Remove it to clean it

CAUTION When you insert the Ice maker tray, be sure that the tray is well centered at the entrance.
Otherwise, the tray may get stuck.

Water clouding phenomenon

All water provided to the refrigerator flows through the core filter which is an alkaline water filter.
In the filtering process, the pressure of the water that has flowed out of the filter is increased, and the water becomes saturated with oxygen and nitrogen.
When this water flows out into the air, the pressure plummets and the oxygen and nitrogen get supersaturated, which results in gas bubbles.
The water may temporarily look misty or cloudy due to these oxygen bubbles.
After a few seconds, the water will look clear.

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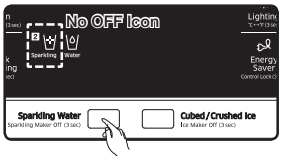
Using the Sparkling Water Function

With a Sodastream CO_2 cylinder installed, your refrigerator can make and dispense sparkling (carbonated) water.

Making Sparkling Water

Press and hold the Quick Sparkling button for 3 seconds to activate the Fill Up.
If the Sparkling Water function is deactivated, press and hold the Sparkling Water or Quick Sparkling button for 3 seconds to reactivate it.
When you turn on the function, the Carbonation Level icons light up in rotation (Level-1 → Level-2 → Level-3 → Level-1, etc.) and, within a few seconds, the refrigerator begins to make sparkling water.
When production is complete, the Carbonation Level icon rotation stops.

If you leave the Sparkling Water Production function on, and the amount of Sparkling Water becomes low, the refrigerator automatically enters the Sparkling Water production mode and makes more.
However, if you turn off the Sparkling Water Production function, the refrigerator will not make additional sparkling water, even if there is little sparkling water left in the Sparkling Water tank.



Press the Sparkling Water Button for 3 seconds

Press the Quick Sparkling Button for 3 seconds

Sparkling Water Production Time

Depending on the Carbonation (Sparkling) Level you set (See Controlling the Carbonation Level on page 43), the amount of time it takes the refrigerator to complete the sparkling water production process changes. The table below lists the production times by Carbonation Level.
The refrigerator is pre-set at the factory to Level 2.

Carbonation Level	Level 3 - High	Level 2 –Mid	Level 1 -Low	Quick
Production Time	About 30 minutes	About 20 minutes	About 10 minutes	Less than 10 minutes
Available Capacity	1.1 ℓ	1.1 ℓ	1.1 ℓ	1.1 ℓ

Dispensing Sparkling Water

To dispense sparkling water, press the Sparkling Water button. Then, push the Ice/Sparkling Water lever gently with a glass. As time passes, the sparkling water dispensing speed can change.
When the water tastes strongly carbonated, the dispensing speed can be faster.
When the carbonation is weaker, the dispensing speed can slow.
The dissolved CO_2 in the sparkling water can also cause the water to pop out when you dispense it.
In addition, due to the pressure fluctuations in the Sparkling Water Tank, the water stream may shake or become intermittent.
If you keep dispensing sparking water, the water stream may become unstable or break up.
This is caused by changes in pressure in the Sparkling Water Tank. It is not a defect.

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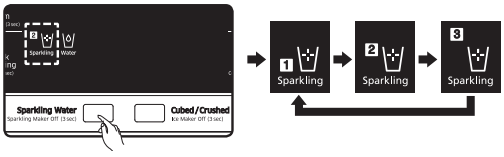
Water Dripping

Some time after you have dispensed sparkling water, a few drops of sparkling water can escape from the dispenser. The water dripping is not a product defect, but a natural result of mixing CO_2 and water.

Controlling the Carbonation Level

When the Sparkling Water Icon is turned on, you can change the sparkling water's carbonation level by pressing the Sparkling Water button for 3 seconds.
Each time you press the Spakling Water button, the carbonation level changes as follows:
Medium (Level-2) → Strong (Level-3) → Weak (Level-1) → Medium (Level-2).
As you press the button, the small numbers on the right side of the button light up in succession, indicating the level change.

- If there is previously produced sparkling water inside the Sparkling Water tank, the refrigerator dispenses sparkling water with the previous carbonation level.
  (Again, changes in the carbonation level do not take affect until the next time the refrigerator makes sparkling water. The change does not affect sparkling water that is already made.)
- While the refrigerator is producing sparkling water, the Sparkling Level icons light up in rotation (Level-1 → Level-2 → Level-3 → Level-1, etc.).
  If you press the Sparkling Water button when the refrigerator is making sparkling water, the current carbonation level is displayed for several seconds.
  If you press the Sparkling Water button again while the carbonation level is being displayed, the carbonation level changes. The change in the carbonation level will take affect the next time the refrigerator makes sparkling water.
- If you change the carbonation level when the refrigerator is making sparkling water, the refrigerator produces sparkling water at the previous carbonation level.



The Sparkling Level is set to Level 2 at the factory.
If the sparkling water tastes too strong or too weak, change the carbonation level.
Level 1 provides a milder carbonation, Level 3 a stronger carbonation.

- If there is a power interruption when the refrigerator is making sparkling water, the refrigerator may re-start the carbonation process when power returns and put too much carbonation into the water. If this occurs, we recommend throwing out the overly carbonated water and starting the process again.
- The lifetime of the CO_2 cylinder can vary, depending on the Sparkling Levels you choose.

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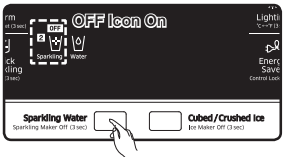
Turning Off the Sparkling Water Function

To turn off the Sparkling Water function, press the Sparkling Water button for 3 seconds.
Any sparkling water remaining in the Sparkling Water tank after you have turned off the Sparkling Water function can still be dispensed.
If you turn off the function when the refrigerator is in the middle of making sparkling water, it halts the function after finishing the current operation.



Press for 3 seconds

How to set the Quick Sparkling option

Quick Sparkling reduces the processing time of making sparkling water.

1. Using Quick Sparkling can produce sparkling water with a high sparkling level in 3 minutes to 10 minutes, regardless of the selected concentration.
2. Press this button to turn the indicator on.
   This option will reduce the processing time for the next cycle if producing sparkling water is not activated. When complete, this option turns off automatically.
3. Press this button to turn the indicator on.
   This option will reduce the processing time for the current cycle if producing sparkling water is already activated. When complete, this option turns off automatically.
4. To cancel Quick Sparkling while sparkling water is being produced with this option, press the button again within 10 seconds.
   After 10 seconds, this options will remain active even if the corresponding indicator turns off.
5. This option repeats injecting and discharging the CO_2 gas, which makes a little working noise.
6. Quick Sparkling consumes approx. 35 % more CO_2 gas compared to processing in sparkling level 3.

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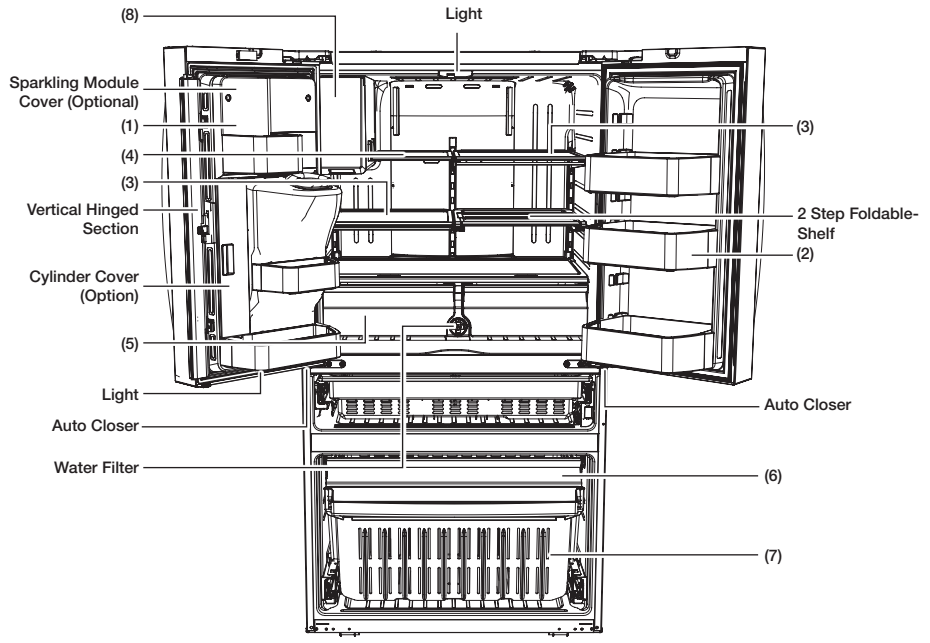
PARTS AND FEATURES

Review the illustration below to become more familiar with the parts and features of your refrigerator.



When closing the door, make sure the Vertical Hinged Section is in the correct position to avoid scratching the other door.
If the Vertical Hinged Section is reversed, put it back to the right position and close the door.
Moisture may appear at times on the Vertical Hinged Section.
The door handle may become loose over time. If this happens, tighten the bolts found on the inside of the door.
If you close one door with too much force, the other door may open.

When the door opens, the interlock switch automatically turns off the auger motor in the ice maker for safety reasons.

If the interior or exterior LED lamp has gone out, please contact your service agent.

CAUTION When you open the door, you might hear the sound of sloshing water because the Sparkling Water Tank is inside the door.

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(1) Sparkling Water Tank (Optional)

Use the Sparkling Water Tank function, and enjoy the sparkling water directly from the tank any time you want.

(2) Door Bins

Designed to handle large, bulky items such as gallons of milk or other large bottles and containers.

(3) Slide-Shelf

It is easier to take out the food.

(4) Foldable-Shelf

The shelf functions both a full depth shelf or can be tucked in to accommodate taller containers.

(5) Vegetable & Fruit Drawers

Used to preserve the freshness of your stored vegetables and fruits.

(6) Auto Pull Out Drawer

Best used to store meats or dry foods.
Stored food should be placed in a container or wrapped securely using foil or other suitable wrapping materials.

(7) Freezer Drawer Bin

Best used to store meats or dry foods.
Stored food should be wrapped securely using foil or other suitable wrapping materials or containers.

(8) FF Ice Maker

The direct cooling system enables you to make sparkling water in a quick, convenient way.

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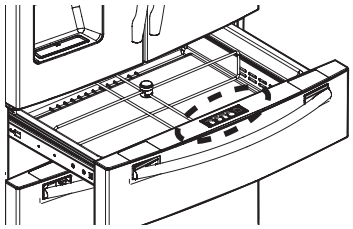
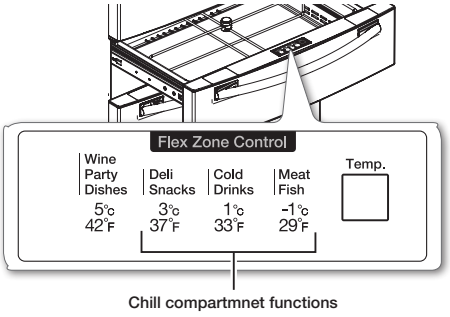
USING FLEX ZONE

The Flex Zone is a full-width drawer with an adjustable temperature control.
You can use the Flex Zone for large party trays, deli items, wines, pizzas, beverages, or miscellaneous items.
There is a temperature sensor which lets you adjust the amount of cold air allowed into the Zone.
The control buttons are located on the cap door center.



Temperature Selection Button



- Press the Temp. button repeatedly until your desired mode is lit.
- Each time you press the Temp. button, you change the mode in this order :
  Meat/Fish mode (-1 °C), Cold Drinks mode (1 °C), Deli/Snack mode (3 °C), Wine/Party Dishes mode (5 °C).
  Initially, the Cold Drinks mode is selected.
  The refrigerator will adjust the temperature in the Flex Zone automatically to the temperature you selected.
- The Flex Zone Temp.
  Display may change depending on the number of items inside, where they are located, the ambient temperature, and how often the door is opened.

1. When **“Wine/Party Dishes”** is selected, the temperature of the Flex Zone will be kept around 5 °C.
   This feature helps keep food fresh for a long time.
2. When **“Deli/Snack”** is selected, the temperature of the Flex Zone will be kept around 3 °C.
   This feature helps keep food fresh for a longer time.
3. When **“Cold Drink”** is selected, the temperature of the Flex Zone will be kept around 1 °C.
   This feature helps keep drinks cold and refreshing.
4. When **“Meat/Fish”** is selected, the temperature of the Flex Zone will be kept around -1 °C.
   This feature helps keep meat or fish fresh for a longer time.

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Examples of food items you can store in the Flex Zone by temperature setting.

Wine Party Dishes	Deli Snacks	Cold Drinks	Meat Fish
• wine	• pineapples	• bottled water	• steaks
• cocktails	• lemons	• juice	• cold cuts
• cakes	• biscuits	• soft drinks	• bacon
• cheeses	• potatoes	• beer	• chili dogs

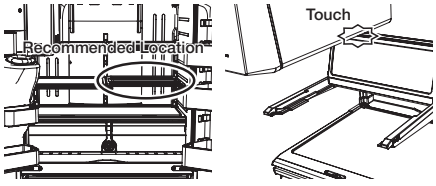
Fruit and vegetables may be damaged if stored under the “Meat Fish” setting.
Do not store lettuce or other leafy produce in the Flex Zone.

CAUTION Do not store glass bottles in the Flex Zone under the “Cold Drinks” or “Meat/Fish” setting.
If they are frozen, they can break and cause personal injury.

RECOMMENDED LOCATION FOR THE FOLDABLE SHELF

The Foldable Shelf folds up from the center, giving you more storage area for tall items without your having to re-arrange the shelves.

- Install the Foldable Shelf on the right side of the refrigerator.
- If you install the Foldable Shelf on the left side, the ice maker will prevent the shelf from folding completely.
- To use, push the front portion of the shelf back gently so that the shelf folds up from the middle.



REMOVING THE REFRIGERATOR ACCESSORIES

1. Door Bins

- Door Bins (**1**)
- **To remove** : Simply lift the bin up and pull straight out.
- **To relocate** : Slide it in above the desired location and push down until it stops.

- Door Bins (**2**)
- **To remove** : Take the right side of the bin out by lifting it at an angle along the guide, and then take the left side out by pulling it from the door.
- **To relocate** : Slide it into the original location and push down until it sticks.

- Sparkling Water model door bins (**2**)
- **To remove** : Take the right side of the bin out by lifting it at an angle along the guide, and then take the left side out by pulling it from the door.
- **To relocate** : Align the positions of the Door Bin’s holes carefully, and then slide the bin in above the desired location and push down until it stops.
- When removing and re-assembling the Bottom Door Bin of the Sparkling Water model, open the Cylinder Cover and tilt the Cylinder towards the front first.

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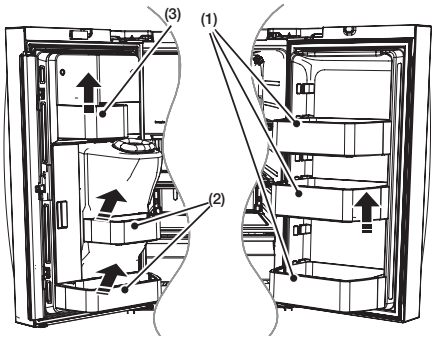


- Sparkling Water model door bins (**3**).
  Do not remove Sparkling Water model door bin (**3**).
  To clean, wipe it completely with a clean cloth without removing it.

CAUTION Do not remove door bins (**3**).
Do not adjust a bin full of food.
Remove the food first.

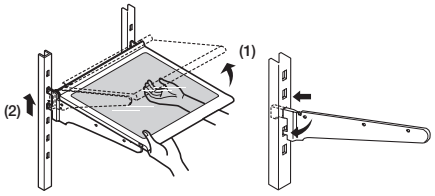
To remove dust from the bins, remove the guard and wash in water.

CAUTION Injuries can occur if large bottles in the bottom door bins fall over when you open the doors. Open the doors carefully.

Injuries can occur if the door bins are not firmly connected to the doors.
Do not allow children to play with the bins. Sharp corners of the bins may cause injury.

2. Tempered Glass shelves

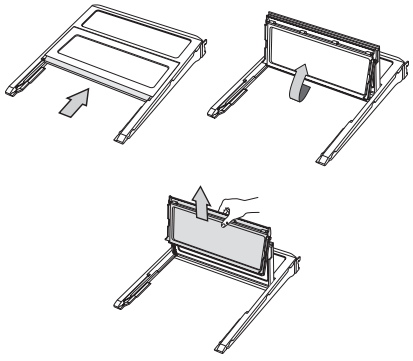
- **To remove** : Tilt up the front of the shelf in the direction shown (**1**) and lift it up vertically (**2**). Pull the shelf out.
- **To re-install** : Tilt the front of the shelf up and guide the shelf hooks into the slots at a desired height.
  Then lower the front of the shelf so that the hooks can drop into the slots.



CAUTION The Tempered Glass shelves are heavy. Use special care when removing them.

3. Foldable Shelf

- **To remove** : After removing the Shelf Front, lift up the Shelf and remove it.
- **To re-install** : Hook the Shelf on the Angle Frame and re-attach the Shelf Front to the Foldable Shelf.



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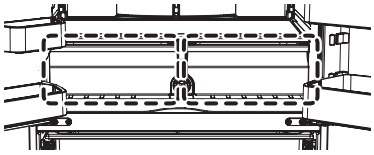
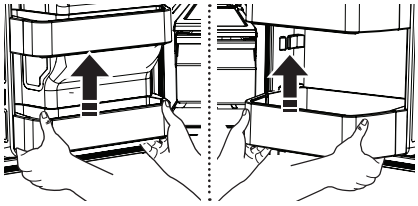
CAUTION After sliding the foldable shelf in and folding it, the Shelf Front can be removed for your convenience.
If you use the self without removing, be careful of its possible separation.

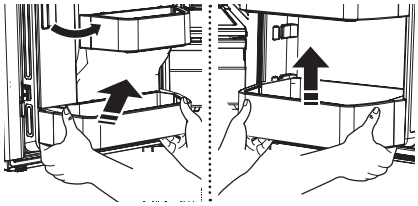
4. Vegetable & Fruit Drawers



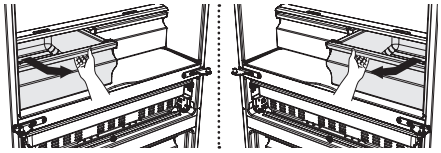
- Door Bins
- Before removing the drawer, please remove door bins first as below.
- **To remove** : Simply lift the bin up and pull straight out.



- Sparkling Water Model Door Bins
- **To remove** : Take the right side of the bin out by lifting it at an angle along the guide, and then take the left side out by pulling it from the door.
- When removing and re-assembling the Bottom Door Bin of the Sparkling Water model, open the Cylinder Cover and tilt the Cylinder towards the front first.



- Tilt up the front of the drawer and pull straight out, and pull out the drawer after moving slightly in the direction of the arrow.



- **To re-install**
- Insert the drawer into the frame rails and push back into place.
- Slide bin in above the desired location and push down until it stops.

CAUTION The drawers need to be removed before the glass shelf above them can be lifted out.

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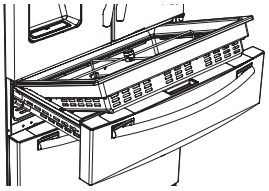
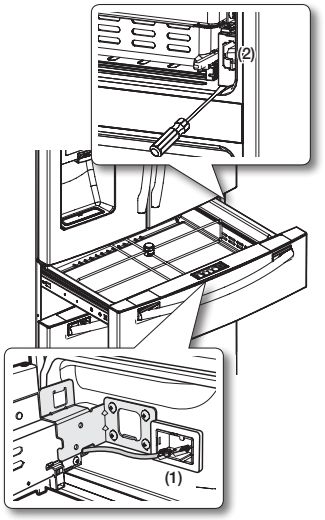
5. Flex Zone

- **To remove the Flex Zone** : Pull the Flex door out to full extension. Lift the Flex Zone up, pulling it to your body with both hands.
- **To re-install the Flex Zone** : Open the Flex door to full extension.
  Tilt the front of the Flex Zone up, place the back of the Flex Zone onto the rails, and then lower the front until the whole Zone rests on the rails.



When the Flex Zone or LED lighting is not working, check the connectors [(1), (2) shown below] for cracks or leaks.



1. Refer to page 21 for disassembly instructions.
2. Open the cap cover rail with a flat-blade screw driver.

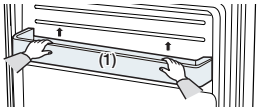
Using the doors

Ensure that the doors close all the way and are securely sealed.
When the refrigerator door is only partially open, it will automatically close.
If the the door is opened more than its auto close range, it will remain open.
You must close it manually.

REMOVING THE FREEZER ACCESSORIES

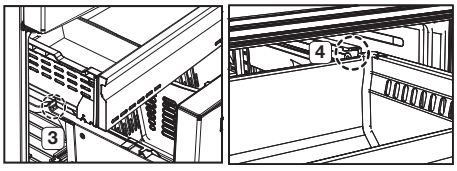
1. Freezer Room Guard

- **To remove** : Remove the freezer room guard (**1**) by lifting the guard up.
- **To re-install** : Push down until the guard (**1**) locks into place.



2. Super Extended Drawer

- **To remove** : Pull the drawer out to full extension. Tilt up the rear of the drawer and lift straight out.
- **To re-install** : Place the drawer onto the rails (**4**) by tilting it up.
  Lower the drawer into place until it is horizontal and slide the Drawer (**3**) in.



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3. Freezer Drawer

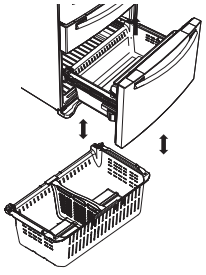
- **To remove the freezer drawer** : Pull the freezer drawer out fully. Tilt up the rear of the bin and lift it out to remove.
- **To re-install the freezer drawer** : Place the bin into the rail assembly.

CAUTION You can scratch the side of the bin if you twist it left or right when disassembling or re-assembling it.

CAUTION Do not allow babies or children go inside the freezer drawer.
They could damage the refrigerator and seriously injure themselves.
Do not sit on the freezer door.
The door may break.
Do not allow children to climb into the freezer drawer.

CAUTION Do not remove the divider.

WARNING If trapped inside, children may be injured or suffocate to death.



REPLACING A SODASTREAM CARBONATOR

If the carbonation level is abnormally low, this means the CO_2 cylinder is empty.
In this case, we recommend that you replace the cylinder with a new one.
To replace a cylinder, follow these steps:
Purchase SodaStream 60 L Carbonators at the nearest Sodastream retailer or on line.
Visit www.sodastream.com for more information.

1. Lift up the Lever holding the cylinder in place.	
2. Pull the Cylinder out of the Support.	
3. Rotate the Cylinder counterclockwise to remove it from the Regulator.	
4. To install the new cylinder, follow the directions for installing a cylinder starting at Step 2.	
5. Press and hold the Quick Sparkling button for 3 seconds to activate the Fill Up. If the Sparkling Water function is deactivated, press and hold the Sparkling Water or Quick Sparkling button for 3 seconds to reactivate it. • If you replace the CO_2 Cylinder during Sparkling Water Production (The Carbonation Level Icon turns on in the order of 1 → 2 → 3 → 1.), wait until the refrigerator completes production before turning the Sparkling Water Production function back on. Because you interrupted production, the sparkling water may be over carbonated. We recommend that you throw out the overly carbonated water.	

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Sparkling Water: Operational Notes

- Be sure to use genuine SodaStream Cylinders from authorized resellers.

- The refrigerator starts making sparkling water about 10 seconds after you turn on the Sparkling Water Production function.
- If you open the refrigerator door while the refrigerator is making sparkling water, it will stop. When you close the door, it will resume making sparkling water in about a minute.
- If there is a power interruption when the refrigerator is making sparkling water, the refrigerator may re-start the carbonation process when power returns and put too much carbonation into the water.
  If this occurs, we recommend throwing out the overly carbonated water and starting the process again.
- If you keep dispensing sparkling water, the water stream may become unstable or break up.
  This is caused by changes in pressure in the Sparkling Water Tank. It is not a defect.
- If the water hose is kinked or water is not supplied properly, the Carbonation Level of the Sparkling Water will be high.
  This occurs because the the same amount of the carbon dioxide (CO_2) is dispensed by the Cylinder regardless of the amount of water in the Production Tank.
- The useful life of a SodaStream carbonator will vary, depending on the level of carbonation you select.
- If the Sparkling Water function is on and you dispense about 1.1 L of sparkling water, the refrigerator automatically begins making more sparkling water.
- If you are not going to be home for a long period of time, do not want to use the Sparkling Water function any more, or you are moving :

CAUTION

- Please remove the SodaStream Carbonator from the compartment located in the left door of the refrigerator before you transport the refrigerator.

1. Press the Sparkling Water button for three seconds to turn off the Sparkling Water function.
2. Empty the Sparkling Water tank by dispensing all the water in the tank.
3. Remove the SodaStream Carbonator

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CLEANING THE REFRIGERATOR

Caring for your Samsung French Door Refrigerator prolongs its life and helps keep it free of odor and germs.

WARNING Do not use benzene, thinner, Clorox, or car detergent to clean the refrigerator. They can damage the surface of the appliance and may cause a fire.

Do not spray the refrigerator with water while it is plugged in.
This can cause an electric shock.
To clean the refrigerator, follow these steps:

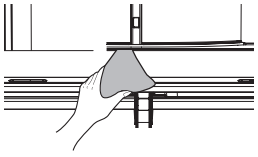
1. Unplug the power code of the refrigerator.
2. Slightly dampen a soft lint-free cloth or paper towel with water.

Do not use any kind of detergent to clean the refrigerator because that can discolor or damage the refrigerator.

3. Wipe the inside and outside of refrigerator until it is clean and dry.
4. Plug the power cord of the refrigerator back in.

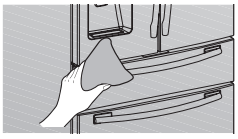
Cleaning the Interior

Clean the inside walls and accessories with a mild detergent and then wipe dry with a soft cloth.
You can remove the drawers and shelves for a more thorough cleaning.
Just make sure to dry drawers and shelves before putting them back into place.



Cleaning the Exterior

Wipe the control panel and digital display with a damp, clean, soft cloth.
The doors, handles, and cabinet surfaces should be cleaned with a mild detergent and then wiped dry with a soft cloth.
To keep your appliance looking its best, polish the exterior once or twice a year.



CAUTION Do not spray water directly on the refrigerator.
Use a clean, damp cloth to clean.

CAUTION You can erase the printed letters on the display if you apply stainless cleaner directly to the area where the letters are printed.

Cleaning the Ice / Water Dispenser

Push down one end of the tray dispenser and remove it.
Wipe the Ice / Water Dispenser with a clean, soft cloth.

CAUTION When using the crushed ice selection from the dispenser some residual ice chips may start to collect in the ice chute. To prevent that residual ice from melting and running out of the chute, you should clean out the residual ice when you see it start to collect in the ice chute.

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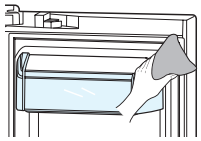
Cleaning the Rubber door seals

If the rubber door seals are dirty, the doors may not close properly, and the refrigerator will not operate efficiently.
Keep the door seals free of dust or stains by cleaning the doors using a mild detergent and damp cloth. Wipe dry with a clean, soft cloth.

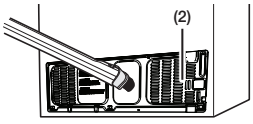


CAUTION Do not clean the refrigerator with benzene, thinner, or car detergent. These substances could cause a fire.

Cleaning the rear side of the refrigerator

To keep cords and exposed parts free of dust and dirt accumulation, vacuum the rear side of the appliance once or twice a year.

CAUTION Do not remove the back cover (**1**). You could suffer an electric shock.



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FOOD STORAGE TIPS

Foods	Refrigerator	Freezer	Storage Tips
DAIRY PRODUCTS			
Butter	2-3 Weeks	6-9 Months	Wrap or cover tightly.
Milk	1-2 Weeks	Not recommended	Check date code. Most milk and similar products are sold in date-coded cartons that indicate a products's peak freshness. Re-seal with cap or wrap tightly. Do not return unused portions to original container.
Cream Cheese, cheese food, and cheese spread	2-4 Weeks	Not recommended	Check date code. Keep all cheese tightly packed in moisture proof wrap
Hard Cheese (unopened)	3-4 Months	6 Months	
Hard Cheese (opened)	2 Months	Not recommended	
Cottage Cheese	10-15 Days	Not recommended	
Cream	7-10 Days	2 Months	Check date code. Most yogurt, creams, and similar products are sold in date-coded cartons that indicate a product's peak freshness. Re-seal or cover tightly. Do not return unused portions to original container.
Sour Cream	2 Weeks	Not recommended	
Cream Dips (opened)	1 Week	Not recommended	
Yogurt	10-14 Days	Not recommended	Check date code. Keep covered.
Frozen Yogurt	na	2 Months	
EGGS			
Eggs (uncooked)	3-4 Weeks	Not recommended	Check date code. Store eggs in coldest part of refrigerator and in their original container.
Eggs (cooked)	1 Week	Not recommended	Store in covered container
Leftover egg dishes	3-4 Days	Not recommended	Store in covered container
FRESH FRUITS			
Apples	1 Month	Not recommended	If storing in refrigerator, do not wash fruit before storing. Store in moisture resistant bags or containers. Wrap cut fruits. Some fruits darken when refrigerated.
Bananas	2-4 Days	Not recommended	
Peaches, Melons, Pears, Avocados	3-5 Days	Not recommended	
Berries and Cherries	2-3 Days	12 Months	
Apricots	3-5 Days	Not recommended	
Grapes	2-5 Days	na	
Pineapple (un-cut)	2-3 Days	Not recommended	
Pineapple (cut)	5-7 Days	6-12 Months	
Citrus	1-2 Weeks	Not recommended	Store uncovered.
Juice	6 Days	Not recommended	Check date code and re-seal in original container. Do not return unused portions to original container.
Frozen Juice	Thawing only	12 Months	Check date code. Do not re-freeze.

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Foods	Refrigerator	Freezer	Storage Tips
FISH AND SHELLFISH			
Fish			
Fatty Fish (mackerel, trout, salmon)	1-2 Days	2-3 Months	Keep in original wrapper and store in coldest part of refrigerator. Package in vapor-proof and moisture proof wrap for freezer. Freeze at 0 ºF (or -18 °C). Thaw in refrigerator or check date code. Freeze in original packaging.
Lean Fish (cod, flounder, etc)	1-2 Days	6 Months	
Frozen or Breaded	na	3 Months	
Shellfish			
Shrimp (uncooked)	1-2 Days	12 Months	To freeze, package in vapor-proof and moisture-proof container.
Crab	3-5 Days	10 Months	
Cooked Fish or Shellfish	2-3 Days	3 Months	
MEAT			
Fresh, Uncooked			
Chops	2-4 Days	6-12 Months	Check date code for use. Store in coldest part of refrigerator in original packaging. Package in moisture-proof and vapor-proof container for freezing. Recommended refrigerator temperature 33 ºF to 36 ºF (or 1 °C to 2 °C) and freezer temperature 0 ºF to 2 ºF (or -18 °C to -16 °C)
Ground	1 Day	3-4 Months	
Roast	2-4 Days	6-12 Months	
Bacon	1-2 Weeks	1-2 Months	
Sausage	1-2 Days	1-2 Months	
Steak	2-4 Days	6-9 Months	
Poultry	1 Day	12 Months	
Lunch meat	3-5 Days	1 Month	
Cooked			
Meat	2-3 Days	2-3 Months	Check date code for use. Store in coldest part of refrigerator in original packaging. Package in moisture-proof and vapor-proof container for freezing.
Poultry	2-3 Days	4-5 Months	
Ham	1-2 weeks	1-2 Months	

Sources:

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National Restaurant Association. 2001. Be cool-chill out! Refrigerate promptly. National Restaurant Association Education Foundation¼s International Food Safety Council, Washington, D.C. USDA. 1997. Basics for handling food safely. U.S. Department of Agriculture, Food Safety and Inspection Service, Washington, D.C.

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Troubleshooting

PROBLEM	SOLUTION
The refrigerator does not work at all or it does not chill sufficiently.	• Check if the power plug is properly connected. • Check if the set temperature on the digital display is warmer than the freezer or fridge inner temperature. If it is, set the refrigerator colder. • Is the refrigerator in direct sunlight or located near a heat source? • Is the back of the refrigerator too close to the wall, preventing proper ventilation?
The food in the fridge is frozen.	• Check if the set temperature on the digital display is too low. • Try setting the refrigerator to a warmer temperature. • Is the temperature in the too low? Set the refrigerator warmer. • Did you store with a high moisture content in the coldest part of the refrigerator? Try moving those items to the other shelves in the fridge instead of keeping them in the colder areas or bins.
You hear unusual noise or sounds.	• Check if the refrigerator is level and stable. • Is the back of the refrigerator too close to the wall, preventing proper ventilation? Try moving the back of the refrigerator at least 2 inches from the wall. • Was anything dropped behind or under the refrigerator? • If you hear a “ticking” sound from inside the refrigerator, this is normal. It occurs because various parts contract or expand in response to temperature changes in the refrigerator interior. • If it sounds as if something is hitting something else inside the refrigerator, this is normal. The sound is caused by the compressor operating at high capacity.
The cabinet-door sealing area of the appliance is hot and condensation is occurring.	• Some heat is normal as anti-condensators are installed in the vertical hinged section of the refrigerator to prevent condensation. • Is the refrigerator door ajar? Condensation can occur when you leave the door open for a long time.
Ice Maker is not producing ice.	• Did you wait for 12 hours after installation of the water supply line before making ice? • Is the water line connected and the shut-off valve opened? • Did you manually stop the ice making function? • Is the freezer temperature too warm? Try setting the freezer temperature lower.

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PROBLEM	SOLUTION
You can hear water bubbling in the refrigerator.	• This is normal. The bubbling comes from refrigerant circulating through the refrigerator.
There is a bad smell in the refrigerator.	• Check for spoiled food. • Foods with strong odors (for example, fish) should be tightly covered. • Clean out your freezer periodically and throw away any spoiled or suspicious food.
Frost forms on the walls of the freezer.	• Is the air vent blocked? Remove any obstructions so air can circulate freely. • Allow sufficient space between the stored foods for efficient air circulation. • Is the freezer drawer closed properly?
Water dispenser is not functioning.	• Is the water line connected and the shut-off valve opened? • Has the water supply line tubing been crushed or kinked? • Make sure the tubing is free and clear of any obstruction. • Is the water tank frozen because the fridge temperature is too low? Try selecting a warmer setting on the Digital display. • Is the Control Lock on?
Auto close system does not work with the freezer door.	• Is there an imbalance between the right and left parts of the door? • Open and close the door smoothly 1~2 times. After you do this, the auto close system usually works properly again. • Try opening the door smoothly to avoid unbalancing the right part and the left part of the door.
Sparkling water is not dispensed.	• Is the water line connected and the shut-off valve opened? • Is the Sparkling water icon selected? • Is the Sparkling Water Production Function Off icon on? Press the Sparkling Water button for 3 seconds to turn on sparkling water production. The Sparkling Water Production function is set to OFF at the factory. Set it ON to get sparkling water. • Is the sparkling water icon blinking? If the sparkling water icon is blinking, the refrigerator is in the middle of producing sparkling water. Please wait until the icon stops blinking. • Is the Sparkling Water Cylinder empty? If the SodaStream Carbonator rus out of CO_2, water might not be dispensed or the dispensed water might be weak. Please change the cylinder. • Is the refrigerator door open? If the door is open, Sparkling water/Water/Ice are not dispensed. • Is the cylinder lever unlocked? Please open the cylinder cover and lock the cylinder lever. • Is the Control Lock on?

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PROBLEM	SOLUTION
The Quick Making option makes a whirling noise while in process.	• While the Quick Making option is active, the cylinder cycles through injecting and discharging the CO_2 gas, which can make such a noise.
The taste of the sparkling water is weak.	• Increase the Sparkling Level of the sparkling water. • When the taste of the sparkling water is too weak or there is no other taste than water, replace the SodaStream Carbonator with a new one. • If you use the Fill Up (3 sec) option after replacing the cylinder, the sparkling water tastes stronger or weaker than normal, depending on the amount and concentration of the remaining gas in the water tank.
Condensation or water drops forms on both sides of fridge door's central part.	• Condensation or water drops may form if the humidity is too high while the refrigerator is operating. • If condensation or water drops appears on both sides of fridge door's central part, turn the Energy Saver mode off after removing the condensation.

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Ambient Room Temperature Limits

This refrigerator is designed to operate in ambient temperatures specified by its temperature class marked on the rating plate.

Class	Symbol	Ambient Temperature range (°C)	
		IEC 62552 (ISO 15502)	ISO 8561
Extended Temperate	SN	+10 to +32	+10 to +32
Temperate	N	+16 to +32	+16 to +32
Subtropical	ST	+16 to +38	+18 to +38
Tropical	T	+16 to +43	+18 to +43

Internal temperatures may be affected by such factors as the location of the fridge/freezer, ambient temperature and the frequency with which you open the door. Adjust the temperature as required to compensate for these factors.

English

Correct Disposal of This Product (Waste Electrical & Electronic Equipment)

(Applicable in countries with separate collection systems)

This marking on the product, accessories or literature indicates that the product and its electronic accessories (e.g. charger, headset, USB cable) should not be disposed of with other household waste at the end of their working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate these items from other types of waste and recycle them responsibly to promote the sustainable reuse of material resources. Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take these items for environmentally safe recycling.

Business users should contact their supplier and check the terms and conditions of the purchase contract. This product and its electronic accessories should not be mixed with other commercial wastes for disposal.

Contact SAMSUNG WORLD WIDE

If you have any questions or comments relating to Samsung products, please contact the SAMSUNG customer care center.

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